L Number	Hits	Search Text	DB	Time stamp
1	40221	adhesive and (polyurethane or diisocyanate or polyisocyanate)	USPAT	2003/06/30 12:06
2	4681	(adhesive and (polyurethane or diisocyanate or polyisocyanate)) and peroxide	USPAT	2003/06/30 12:06
3	3904	((adhesive and (polyurethane or diisocyanate or polyisocyanate)) and peroxide) and (acrylate or acrylic)	USPAT	2003/06/30 12:07
4	851	(((adhesive and (polyurethane or diisocyanate or polyisocyanate)) and peroxide) and (acrylate or acrylic)) and (conductive or conductivity)	USPAT	2003/06/30 12:08
5	164	((((adhesive and (polyurethane or diisocyanate or polyisocyanate)) and peroxide) and (acrylate or acrylic)) and (conductive or conductivity)) and (wiring or wires or cicuit)	USPAT	2003/06/30 12:08
6	164	(((((adhesive and (polyurethane or diisocyanate or polyisocyanate)) and peroxide) and (acrylate or acrylic)) and (conductive or conductivity)) and (wiring or wires or cicuit))	USPAT	2003/06/30 13:37
7	488	electroconductive and peroxide and (acrylic or acrylate) and (polyurethane or diisocyanate or polyisocyanate)	USPAT; US-PGPUB; DERWENT	2003/06/30 13:38
8	199	(electroconductive and peroxide and (acrylic or acrylate) and (polyurethane or diisocyanate or polyisocyanate)) and adhesive	USPAT; US-PGPUB; DERWENT	2003/06/30 13:39
9	110	((electroconductive and peroxide and (acrylic or acrylate) and (polyurethane or diisocyanate or polyisocyanate)) and adhesive) and (wire or wiring or circuit)	USPAT; US-PGPUB; DERWENT	2003/06/30 13:39
10	81	(((electroconductive and peroxide and (acrylic or acrylate) and (polyurethane or diisocyanate or polyisocyanate)) and adhesive) and (wire or wiring or circuit)) not (((((adhesive and (polyurethane or diisocyanate or polyisocyanate)) and peroxide) and (acrylate or acrylic)) and (conductive or conductivity)) and (wiring or wires or cicuit))	USPAT; US-PGPUB; DERWENT	2003/06/30 13:40

L Number	Hits	Search Text	DB	Time stamp
1	6528	conductive adj particles	USPAT	2003/06/30 08:43
2	1315	(conductive adj particles) and (polyurethane or polyisocyanate or diisocyanate)	USPAT	2003/06/30 08:43
3	536	((conductive adj particles) and (polyurethane or polyisocyanate or diisocyanate)) and (acrylate or acrylaic)	USPAT	2003/06/30 08:44
4	118	(((conductive adj particles) and (polyurethane or polyisocyanate or diisocyanate)) and (acrylate or acrylaic)) and peroxide	USPAT	2003/06/30 08:44
5	40	((((conductive adj particles) and (polyurethane or polyisocyanate or diisocyanate)) and (acrylate or acrylaic)) and peroxide) and (imide or polyimide)	USPAT	2003/06/30 09:13
6	2802	conductive adj particles	DERWENT	2003/06/30 09:15
7	98	(conductive adj particles) and (polyisocyanate or diisocyanate or polyurethane)	DERWENT	2003/06/30 09:15
8	21	((conductive adj particles) and (polyisocyanate or diisocyanate or polyurethane)) and (acrylate or acrylic)	DERWENT	2003/06/30 09:16
9	0	(((conductive adj particles) and (polyisocyanate or diisocyanate or polyurethane)) and (acrylate or acrylic)) and peroxide	DERWENT	2003/06/30 09:17
10	21	(((conductive adj particles) and (polyisocyanate or diisocyanate or polyurethane)) and (acrylate or acrylic))	DERWENT	2003/06/30 09:17

DERWENT-ACC-NO: 1985-027436

DERWENT-WEEK: 198505

TITLE: Electrically conductive adhesive with high shear
stress
                         - contains polymer having polar base, epoxy
acrylate
                         resin(s) (meth)acrylic monomer organic
hydroperoxide,
                         amino cpds and e.g. carbon black

PATENT-ASSIGNEE: YOKOHAMA RUBBER CO LTD[YOKO]

PRIORITY-DATA: 1983JP-0094930 (May 31, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 59221371 A	December 12, 1984	N/A	012	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 59221371A	N/A	1983JP-0094930	May 31, 1983

INT-CL (IPC): C08K003/04, C09J003/12 , C09J007/02 , H01B001/24

ABSTRACTED-PUB-NO: JP 59221371A

BASIC-ABSTRACT:

Adhesives are obtd. by impregnating, spread-coating or laminating a
compsn.
consisting of (a), (b), (c), (d), (e) and (f) components in/on
strand-mats,
surface-mats, cloths, nonwoven fabrics or cheesecloths, which are obtd.
from
glass, cpd. of glass and organic fibres, organic fibres of carbon
fibres. (a)
is opt. mixt. of polymer(s) having polar base selected from
acrylonitrile-butadiene copolymer; acrylonitrile-butadiene copolymer
having
carboxyl; acrylic rubber; urethane rubber; chloroprene rubber;
chlorosulphonic
polyethylene; EVA copolymer, ethylene-(meth)acrylic acid copolymer;
thermoplastic polyurethane; satd. polyester and nylon; (b) 1 or mixt.
of epoxy
acrylate resin(s); (c) acrylic or methacrylic monomer having more than
2

different functional gps. and/or of formula H2C=CR1 COOR2 (R1 is H or CH3; R2
is 1-18C alkyl gp. or organic residue contg. aromatic ring or heterocyclic
ring); (d) organic hydroperoxides; (e) amino cpds. contg. imidazoles or at
least 1 tert. amino cpd.; and (f) at least 1 or more of carbon black, ketchen
black, lamp black, acetylene black or graphite, each of which has surface area
of 125-260 m2/g by N2 absorption method and DBP oil absorbing amount of 100-200
cc/100 g, and or less than 200 mesh-fine powder of at least 1 of cut fibre of
carbon fibres, Al, Ni, Co or Zn.

USE/ADVANTAGE - The adhesives are used for adhering metals, papers, plastics,
inorganic materials, and even for the surface attached with some residual oil.
It has high shearing stress and bending strength after heat-curing treatment
and less electric resistance. It can be used for electrodeposition and prevent
generation and increase of rust.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ELECTRIC CONDUCTING ADHESIVE HIGH SHEAR STRESS CONTAIN POLYMER
            POLE BASE EPOXY ACRYLATE RESIN METHO ACRYLIC MONOMER
ORGANIC
            HYDROPEROXIDE AMINO COMPOUND CARBON BLACK

ADDL-INDEXING-TERMS:
            METHACRYLIC

DERWENT-CLASS: A18 A28 A81 G03 X12

CPI-CODES: A04-B01; A04-F01; A04-G01E; A05-E01; A05-G01E1; A08-M09; A08-R03;
            A10-E07B; A10-E12; A12-A05; G03-B02B; G03-B02D; G03-B02E;
G03-B04;

EPI-CODES: X12-D01X;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1669U; 1778U ; 5007U ; 5085U ; 5086U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0009 0011 0203 0204 0209 0218 0224 0069 0114 0123 0183
0231 0239
0241 3155 0368 0376 0377 3170 0405 0411 0418 0487 0492 0499 3010 3024
3038 0506
3017 0548 0555 0562 0569 0576 0583 0597 3066 0604 0789 1095 1096 1107
1282 1283
1291 1294 3204 2004 2020 2021 2198 2213 2215 2217 2220 2293 2294 2297

2300 2420
2423 2434 2435 2488 2493 2528 2551 2632 2633 2639 3252 2678 2682 2723
2724 2725
2726 2728 3267 2729 2820 3031 3045 0534 0541
Multipunch Codes: 014 032 034 04- 040 041 046 047 05- 051 06- 062 063
066 067
07- 072 074 075 076 077 08- 081 082 083 084 085 092 098 10- 117 122 124
141 143
144 145 15- 150 18& 20- 226 228 23& 23- 231 239 242 266 267 27& 273 28&
307 308
309 310 33- 341 359 431 433 44& 440 441 442 443 445 446 47& 473 477 48-
481 483
506 509 52& 530 54& 546 551 567 57& 570 571 575 576 58- 597 600 609 654
664 665
688 721 722 723 729

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1985-011610
Non-CPI Secondary Accession Numbers: N1985-020177

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L3    ANSWER 14 OF 14  CAPLUS  COPYRIGHT 2003 ACS
AN    1985:205063  CAPLUS
DN    102:205063
TI    Electrically conductive adhesives
PA    Yokohama Rubber Co., Ltd., Japan
SO    Jpn. Kokai Tokkyo Koho, 12 pp.
      CODEN: JKXXAF
DT    Patent
LA    Japanese
IC    ICM  C09J007-02
      ICS  C08K003-04; C09J003-12; C09J003-14; H01B001-24
CC    38-3 (Plastics Fabrication and Uses)
FAN.CNT 1
      PATENT NO.       KIND  DATE        APPLICATION NO.  DATE
      --------------   ----  --------    ---------------  --------
PI    JP 59221371      A2    19841212    JP 1983-94930    19830531
PRAI  JP 1983-94930          19830531
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AB   Elec. conductive adhesives for bonding metal, paper, plastics,
      inorg. materials, etc., comprise an imidazole or a tertiary amine, an org.
      peroxide, epoxy acrylate resins, a (meth)acrylate, a
      conductive filler (carbon black, acetylene black, graphite, carbon
      fiber, metals, etc.), and an acrylonitrile-butadiene copolymer (I), CO2H
      group-contg. I, acrylic rubber, urethane rubber, chloroprene rubber,
      chlorosulfonated polyethylene, ethylene (II)-vinyl acetate copolymer,
      acrylic acid-II copolymer, II-methacrylic acid copolymer,
      polyurethane, satd. polyester, and/or nylon. Thus, a carbon fiber
      chopped strand mat (300 g/m2) was coated with a compn. of Nipol 1072
      (acrylonitrile-butadiene-methacrylic acid copolymer [9010-81-5]) 100,
      bisphenol A-based epoxy acrylate resin 100, methacrylic acid-terminated
      epoxy acrylate resin 65, glycidyl methacrylate [106-91-2] 50, carbon
      black 30, tert-Bu perbenzoate 1.8, and imidazole 2P4MHz [13682-32-1] 2
      parts, pressed between antirust oil-coated steel sheets, and heat-treated
      at 215.degree. for 30 min to give a product having tensile shear strength
      190 kg/cm2 and peel strength 20 kg/25 mm.

ST   acrylonitrile butadiene copolymer adhesive; methacrylic acid
      copolymer adhesive; bisphenol epoxy acrylate resin
      adhesive; epoxy resin imidazole adhesive

IT   Epoxy resins, uses and miscellaneous
      RL: USES (Uses)
          (acrylates, nitrile rubber adhesives contg. tetrahydrofurfuryl
          acrylate, carbon black, imidazole, peroxide and, elec.
          conductive)

IT   Carbon black, uses and miscellaneous
      Carbon fibers
      Graphitized carbon black
      RL: USES (Uses)
          (epoxy resin-(meth)acrylic monomer-synthetic rubber adhesives contg.,
          elec. conductive)

IT   Adhesives
          (elec. conductive, epoxy resin-(meth)acrylic
      monomer-synthetic rubber, for bonding oil-coated steel sheets)

IT   9002-88-4D, chlorosulfonated 9010-77-9 24937-78-8 25053-53-6
      RL: TEM (Technical or engineered material use); USES (Uses)
          (adhesives, contg. epoxy resin, (meth)acrylic monomer, carbon black,
          imidazole and peroxide, elec. conductive)

IT   9010-81-5
      RL: TEM (Technical or engineered material use); USES (Uses)
          (adhesives, contg. epoxy resin, glycidyl methacrylate, carbon black,
          imidazole and peroxide, elec. conductive)

IT   7440-50-8, uses and miscellaneous 7440-66-6, uses and miscellaneous

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      RL: USES (Uses)
          (epoxy resin acrylate-(meth)acrylic monomer-synthetic rubber adhesives
          contg. powd., elec. conductive)
IT    7429-90-5, uses and miscellaneous   7440-02-0, uses and miscellaneous
      RL: USES (Uses)
          (epoxy resin-glycidyl methacrylate-synthetic rubber adhesives contg.
          powd., elec. conductive)
IT    13682-32-1   16731-68-3   32120-16-4
      RL: USES (Uses)
          (epoxy resin-glycidyl methacrylate-synthetic rubber adhesives contg.,
          elec. conductive)
IT    106-91-2   2399-48-6
      RL: USES (Uses)
          (nitrile rubber adhesives contg. epoxy resin, carbon black, imidazole,
          peroxide and, elec. conductive)
IT    61970-25-0
      RL: USES (Uses)
          (nitrile rubber adhesives contg. tetrahydrofurfuryl acrylate, carbon
          black, imidazole, peroxide and, elec. conductive)
IT    24599-21-1
      RL: USES (Uses)
          (synthetic rubber adhesives contg. epoxy resin (meth)acrylate,
          (meth)acrylic monomer, carbon black, imidazole, peroxide and,
          elec. conductive)


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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:
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